

L Number	Hits	Search Text	DB	Time stamp
1	170	unsupervised and supervised and neural and clustering	USPAT; US-PGPUB	2004/01/22 14:02



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1	Identifying antigen clusters for monitoring a global state of an immune system	435/6	435/7.1; 702/19
2	Cardiotoxin molecular toxicology modeling	435/6	702/20
3	Maximizing mutual information between observations and hidden states to minimize classification errors	706/46	706/20; 706/21
4	Breast cancer progression signatures	435/6	435/287.2; 702/20
5	System and method for electronic catalog classification using a hybrid of rule based and statistical method	707/3	
6	Discrete bayesian analysis of data	702/20	702/179; 702/19; 706/46; 706/52; 706/924; 707/104.1
7	Molecular cancer diagnosis using tumor gene expression signature	702/19	
8	Methods of producing images of underground formations surrounding a borehole	382/109	
9	Method and system for event detection in plasma processes	356/72	
10	Wireless location using hybrid techniques	342/457	
11	Diagnostic and prognostic tests	435/6	702/20
12	Biochips with surfaces coated with polysaccharide-based hydrogels	250/288	
13	Multi-category support for apply output	707/6	700/91
14	System and method for organizing, compressing and structuring data for data mining readiness	707/6	
15	Automated online design and analysis of marketing research activity and data	705/10	

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16	Methods and devices relating to estimating classifier performance	702/19	
17	Interpreting cytological specimens via molecular histological signatures	435/6	435/40.5
18	Method and apparatus for sociological data mining	707/104.1	
19	System for classifying seafloor roughness	702/14	
20	Methods of identifying patterns in biological systems and uses thereof	706/48	
21	Topic identification and use thereof in information retrieval systems	707/1	
22	Computer algorithm for automatic allele determination from fluorometer genotyping device	435/6	702/20
23	Pattern analysis system and method	600/300	
24	Prostate cancer diagnosis and outcome prediction by expression analysis	435/6	435/7.23
25	Adaptive learning system and method	706/2	706/14; 706/26
26	Method for image region classification using unsupervised and supervised learning	382/225	382/228
27	Wireless location using signal direction and time difference of arrival	342/457	342/465; 455/456.5
28	Methods and system for analysis and visualization of multidimensional data	345/440	
29	Method and apparatus for electronically extracting application specific multidimensional information from documents selected from a set of documents electronically extracted from a library of electronically searchable documents	707/3	

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30	Method and apparatus for electronically extracting application specific multidimensional information from a library of searchable documents and for providing the application specific information to a user application	707/3	
31	SYSTEMS AND METHODS FOR MONITORING BEHAVIOR INFORMATICS	702/19	382/128; 702/20
32	Method and system for mining large data sets	707/6	
33	SYSTEMS AND METHODS FOR MONITORING BEHAVIOR INFORMATICS	702/19	705/2
34	Method and system for the development of materials	702/30	
35	Scalable, parallelizable, fuzzy logic, boolean algebra, and multiplicative neural network based classifier, datamining, association rule finder and visualization software tool	706/15	
36	System and method of face recognition through 1/2 faces	382/159	
37	Face recognition from a temporal sequence of face images	382/118	
38	System and method of face recognition using proportions of learned model	382/118	
39	Intelligent system for detecting errors and determining failure modes in noninvasive measurement of blood and tissue analytes	600/310	
40	Coupled two-way clustering analysis of data	435/6	702/19; 702/20; 707/103R
41	Neuro/fuzzy hybrid approach to clustering data	706/1	706/20
42	Spectral kernels for learning machines	706/12	
43	Method for statistical regression using ensembles of classification solutions	719/310	

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44	Systems and methods for monitoring behavior informatics	702/19	382/128; 702/20
45	Metabolome profiling methods using chromatographic and spectroscopic data in pattern recognition analysis	702/19	
46	Neural network method and system	706/13	706/1; 706/6; 706/900; 706/903
47	System and method for organizing, compressing and structuring data for data mining readiness	707/100	
48	Systems and methods for monitoring behavior informatics	702/19	705/2
49	Method for epigenetic feature selection	435/6	702/19; 702/20
50	System and method for using neural nets for analyzing micro-arrays	714/39	
51	Method and apparatus for interpreting information	706/47	706/20
52	Automated pathway recognition system	435/6	702/20
53	Segmentation and construction of segmentation classifiers	706/20	
54	Automatic algorithm generation	382/159	382/190; 382/224
55	Feature selection and feature set construction	382/225	
56	Directed dynamic data analysis	382/219	
57	Customer self service subsystem for adaptive indexing of resource solutions and resource lookup	707/1	707/5
58	Customer self service iconic interface for portal entry and search specification	345/738	
59	Methods for spectral analysis and their applications: spectral replacement	324/309	324/312

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60	System and method for multi-modal focus detection, referential ambiguity resolution and mood classification using multi-modal input	345/767	
61	Method and apparatus for exploring an experimental space	435/7.1	702/19; 703/11
62	Molecular toxicology modeling	435/6	702/20
63	Method and system for the dynamic analysis of data	707/100	
64	Customer self service subsystem for context cluster discovery and validation	707/5	
65	Customer self service subsystem for classifying user contexts	707/3	
66	Customer self service system for resource search and selection	707/3	
67	Methods and kits for managing diagnosis and therapeutics of bacterial infections	702/19	705/3
68	Customer self service iconic interface for resource search results display and selection	345/835	345/764
69	Customer self service subsystem for response set ordering and annotation	345/701	
70	Method and apparatus for data clustering	707/6	
71	Real-time context-sensitive customization of user-requested content	709/217	
72	Data analysis	706/15	707/3
73	METHOD AND APPARATUS FOR ANALYZING AN IMAGE TO DIRECT AND IDENTIFY PATTERNS	382/111	382/156
74	Artificial intelligence manufacturing and design	705/9	
75	Method of order-ranking document clusters using entropy data and bayesian self-organizing feature maps	707/6	707/3

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76	Method and system for user-configurable clustering of information	707/102	707/100; 707/7
77	DIAGNOSIS OF RHEUMATOID ARTHRITIS IN VIVO USING A NOVEL SPECTROSCOPIC APPROACH	600/475	
78	Multilevel taxonomy based on features derived from training documents classification using fisher values as discrimination values	707/1	
79	Visualization and self-organization of multidimensional data through equalized orthogonal mapping	706/2	
80	Wireless location using signal fingerprinting	342/450	455/456.5
81	METHOD AND APPARATUS FOR INTERPRETING INFORMATION	706/25	
82	Signature recognition system and method	382/119	348/161; 382/159; 382/187; 382/209; 382/225; 706/20
83	Method and apparatus for predicting the onset of seizures based on features derived from signals indicative of brain activity	600/544	
84	Fuzzy logic based classification (FLBC) method for automated identification of nodules in radiological images	706/2	
85	Method and apparatus for analyzing an image to detect and identify patterns	382/228	348/88; 348/92; 382/195; 382/218; 706/15
86	Method and apparatus for interpreting information	706/25	706/12; 706/13
87	Use of adaptive resonance theory to differentiate network device types (routers vs switches)	370/254	370/255; 706/15

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88	Customer self service subsystem for adaptive indexing of resource solutions and resource lookup	707/3	707/10
89	Integrated imaging apparatus	600/474	382/128; 600/412
90	Use of generic classifiers to determine physical topology in heterogeneous networking environments	370/254	370/255; 706/15
91	Method and system for the dynamic analysis of data	707/101	
92	System and method for telecommunications system fault diagnostics	706/20	706/16; 706/21
93	Artificial neural network voice coil motor controller	706/23	360/75; 369/44.25; 700/37; 700/45; 700/48; 706/15; 706/22; 706/903
94	Neural directors	706/15	
95	Model selection in machine learning with applications to document clustering	706/45	707/100
96	3-brain architecture for an intelligent decision and control system	706/23	250/369; 706/16
97	Method and apparatus for indexing and retrieving images using visual keywords	382/305	358/403
98	Method of and apparatus for evaluation and mitigation of microsleep events	600/300	600/301; 600/544
99	Methods and apparatus for performing dimensionality reduction in a supervised application domain	707/101	
100	System and method for classifying legal concepts using legal topic scheme	706/12	715/500
101	Collaborative filtering with mixtures of bayesian networks	706/52	706/45
102	Method for characterization of rock strata in drilling operations	702/9	175/50; 73/152.03

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103	Diagnosis of rheumatoid arthritis in vivo using a novel spectroscopic approach	600/475	250/339.01; 436/171; 436/63
104	Mixtures of bayesian networks with decision graphs	706/52	706/45
105	Method for determining activity in the central nervous system	600/410	324/307; 324/309
106	Cortronic neural networks with distributed processing	706/27	706/39; 706/4
107	Developmental learning machine and method	706/12	700/258
108	Dimensionality reduction for speaker normalization and speaker and environment adaptation using eigenvoice techniques	704/222	
109	Method and apparatus for inducing rules from data classifiers	706/25	706/12; 706/13; 706/2
110	Visual cluster analysis and pattern recognition methods	382/225	382/209
111	Modifying an unreliable training set for supervised classification	707/102	370/465; 382/203; 706/20; 706/25
112	Hierarchical data matrix pattern recognition system	382/159	382/155; 382/156; 382/157; 706/15; 706/20
113	Automotive occupancy sensor gray zone neural net conditioning process for airbag deployment systems	701/45	701/46; 706/25
114	Maximum likelihood method for finding an adapted speaker model in eigenvoice space	704/239	704/231; 704/236
115	Scalable parallel algorithm for self-organizing maps with applications to sparse data mining problems	707/2	707/10; 707/6; 707/7
116	Multilevel taxonomy based on features derived from training documents classification using fisher values as discrimination values	707/6	706/12; 707/2

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	Title	Current OR	Current XRef
117	Unsupervised identification of nonlinear data cluster in multidimensional data	382/224	382/156; 382/197; 382/253; 704/259; 706/15; 706/20; 706/25
118	Visualization and self-organization of multidimensional data through equalized orthogonal mapping	706/16	706/15; 706/22; 706/25
119	Neural network based auto-windowing system for MR images	382/131	382/156
120	3-brain architecture for an intelligent decision and control system	706/23	706/15; 706/16; 706/26; 706/27
121	Method and apparatus for incremental concurrent learning in automatic semiconductor wafer and liquid crystal display defect classification	382/149	382/145; 382/147; 382/155
122	Visualization and self organization of multidimensional data through equalized orthogonal mapping	706/16	706/18; 706/25; 706/26
123	System and method for optimal adaptive matching of users to most relevant entity and information in real-time	705/14	705/1; 705/26
124	Method and apparatus for inspecting solder joints	348/92	382/145
125	GUI guide for data mining	345/804	706/46; 706/60; 707/102
126	Methods and apparatus for discriminative training and adaptation of pronunciation networks	704/236	704/243; 704/255
127	Method of and apparatus for evaluation and mitigation of microsleep events	600/544	600/300
128	Locating and sampling of data in parallel processing systems	712/28	712/21

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129	Self-organizing neural network for plain text categorization	706/20	706/14; 706/15; 706/16; 706/25
130	Hierarchical data matrix pattern recognition and identification system	382/159	382/155; 382/156
131	Data analysis system and method	707/5	707/2
132	Method and apparatus for learning network behavior trends and predicting future behavior of communications networks	706/10	
133	System and method of recognizing an acoustic environment to adapt a set of based recognition models to the current acoustic environment for subsequent speech recognition	704/244	704/233; 704/256
134	Self-organizing circuits	382/155	
135	Large memory storage and retrieval (LAMSTAR) network	706/26	
136	Blind clustering of data with application to speech processing systems	704/231	704/243; 704/245; 704/246; 704/247
137	Neural network for locating and recognizing a deformable object	382/157	382/116; 382/117; 382/118; 382/159; 706/20; 706/25
138	Perceptive system including a neural network	706/19	706/16; 706/25; 706/31
139	Neural network/conceptual clustering fraud detection architecture	706/16	705/31
140	Adaptive filtering neural network classifier	706/14	706/20; 706/22
141	Cell analysis method using quantitative fluorescence image analysis	435/6	435/7.21; 435/7.23; 436/63; 436/64; 436/813

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142	Self-organization of pattern data with dimension reduction through learning of non-linear variance-constrained mapping	706/16	706/27; 706/31; 706/50
143	Cell analysis method using quantitative fluorescence image analysis	435/6	382/133; 435/7.23; 435/968; 435/973; 436/800; 436/805
144	Neural network for classification of patterns with improved method and apparatus for ordering vectors	706/20	706/25
145	Method and apparatus for training a text classifier	706/12	706/934; 715/512
146	Self-learning speaker adaptation based on spectral variation source decomposition	704/254	704/240; 704/242; 704/256
147	Learning system with prototype replacement	706/14	706/12; 706/58
148	System and method for automatic handwriting recognition with a writer-independent chirographic label alphabet	382/186	382/187; 382/228
149	Method and apparatus for predicting electric induction machine failure during operation	700/286	324/558; 324/76.21; 340/679; 702/60; 706/20; 706/912
150	Global threshold method and apparatus	382/159	358/466; 382/172; 382/270; 382/271
151	Method of enhancing the performance of a neural network	706/25	706/31
152	Method of enhancing the selection of a training set for use in training of a neural network	706/25	
153	Pattern categoritization system having self-organizing analog fields	382/157	706/20; 706/25

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154	Pattern recognition using artificial neural network for coin validation	194/317	
155	Unsupervised training method for a neural net and a neural net classifier device	706/25	704/232; 706/20; 706/26
156	Smart sensor system and method using a surface acoustic wave vapor sensor array and pattern recognition for selective trace organic vapor detection	702/27	340/632; 73/23.2
157	Pattern recognition system	382/159	382/156; 382/190; 706/20; 706/25
158	Neural network, neuron, and method for recognizing a missing input valve	706/20	382/156; 706/25; 706/26; 706/28
159	Adaptive system and method for predicting response times in a service environment	706/21	706/10; 706/25; 706/52; 706/900
160	Method and apparatus for estimating tissue volumes in magnetic resonance images	600/408	128/925; 382/128; 600/410
161	Seismic event classification system	367/135	181/101; 367/136; 702/17
162	Method and apparatus for pattern mapping system with self-reliability check	382/158	382/309; 706/20; 706/31
163	Pattern classification using linear programming	706/20	706/25; 706/26
164	Method and apparatus for determining and organizing feature vectors for neural network recognition	382/157	382/190; 382/280
165	Adaptive fast fuzzy clustering system	706/62	704/200; 706/10; 706/900
166	System and method utilizing a real time expert system for tool life prediction and tool wear diagnosis	700/177	706/904
167	Analog pattern categorization system having dual weighted connectivity between nodes	382/158	706/20; 706/31

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168	Apparatus for generating a feature matrix based on normalized out-class and in-class variation matrices	382/157	382/190; 382/225; 708/821
169	Neural network with non-linear transformations	706/25	706/31; 706/36; 706/37
170	N-dimensional coulomb neural network which provides for cumulative learning of internal representations	706/25	706/27; 706/31; 706/32

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